

I claim:

Sub B' →  
1. A building structure adapted to allow for ventilation of vapors from within the structure so as to retard deterioration of the structure, comprising:

a sloped roof having a decking and a sheet overlying the decking;  
the sheet having a plurality of projects projecting upward away from the decking;

the sloped roof having a vent slot disposed along a roof ridge adapted to permit air from an interior space under the roof to flow through the slot to the exterior;

a strip having a surface shaped to match the projections of the sheet, the surface engaging the sheet, the strip having an air permeable and resilient portion; and

a ridge cap overlying the slot and the strip, wherein the air permeable and resilient portion of the strip adapted for the flow of vapors.

2. A building structure as in claim 1 wherein the sheet is metal and the metal sheet is formed of a series of panels, each panel having a pair of lateral edges, one of the projections in proximity to the one of the lateral edges, the projections overlaps on an adjoining panel in proximity to the other lateral edge.

3. A building structure as in claim 2 wherein the projections are stiffening ribs.

4. A building structure as in claim 2 wherein the metal sheet is corrugated having a series of ridges and grooves, and the projections are ridges.

5. A building structure in accordance with claim 2, wherein the strip is entirely an air permeable and resilient strip constructed of randomly aligned synthetic fibers which are open and blended, randomly aligned into a web by an airflow, joined by phenolic or latex binding agents and heat cured to produce a varying mesh, the mat being of unitary sheet construction having no dissimilar sheets laminated or otherwise bonded together.

Sub B<sup>2</sup> →  
6. A method of improving ventilation to a building comprising the following steps:

providing a roof having a vent slot disposed along a roof ridge, the roof having a decking and a metal sheet overlying the decking, the metal sheet having a plurality of projections projecting upward away from the decking;

providing a strip having an air-permeable and resilient portion, the strip having a surface having a shape to compliment the projections of the metal sheet;

installing the strip to the metal sheet so that surface engages the metal sheet;

installing a ridge cap overlying the slot and the strip.

7. A method of improving ventilation to a building as in claim 6 wherein the step of installing the strip to the metal sheet includes the following sub-steps:

installing an adhesive to the strip; and

placing the strip with the adhesive in contact with the metal sheet such that the adhesive bonds with the metal sheet.

8. A method of improving ventilation to a building as in claim 6 wherein the ridge cap is installed to by placing in contact with the strip and driving fasteners through the ridge cap and the metal sheet.

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9. A method of installing a metal roof to a building comprising the following steps:

installing a decking to the building;

providing a vent slot disposed along a roof ridge;

installing a plurality of metal panels, the panels each having a pair of lateral sides and a plurality of projections, on the decking such that the projections projecting upward away from the decking and one of the projections in proximity to the one of the lateral edges overlaps the projections on an adjoining panel in proximity to the other lateral edge;

providing an air-permeable and resilient strip having a surface having a shape to compliment the projections of the metal panels;

installing the strip overlying the metal panels in proximity to the vent slot;

installing a ridge cap overlying the slot and the strip.

10. A method of improving ventilation to a building as in claim 9 wherein the step of installing the strip to the metal sheet includes the following sub-steps:

installing an adhesive to the strip; and

placing the strip with the adhesive in contact with the metal sheet such that the adhesive bonds with the metal sheet.

11. A method of improving ventilation to a building as in claim 9 wherein the ridge cap is installed to be placed in contact with the strip and driving fasteners through the ridge cap and the metal sheet.

12. A method of improving ventilation to a building as in claim 9 wherein the air permeable and resilient strip is a mat constructed of randomly aligned synthetic fibers which are open and blended, randomly aligned into a web by an airflow, joined by phenolic or latex binding agents and heat cured

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to produce a varying mesh, the mat being of unitary sheet construction having  
~~no dissimilar sheets laminated or otherwise bonded together.~~